



**STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
COOKEVILLE ENVIRONMENTAL FIELD OFFICE**

DIVISION OF WATER RESOURCES

1221 SOUTH WILLOW AVENUE

COOKEVILLE, TN 38506

PHONE 931-432-4015

STATEWIDE 1-888-891-8332

FAX 931-432-6952

September 23, 2013

Certified Mail # 91 7199 9991 7032 8078 5871

Mr. Todd Claiborne
American Sand Company
9130 Monterey Hwy
Monterey, TN 38574

RE: Results of Site Inspection
American Sand 50 Acre Tract, NPDES Permit # TN0066231
Putnam County

Dear Mr. Claiborne:

Thank you for applying early for this NPDES permit renewal. Division personnel conducted a site inspection on August 26, 2013. During the inspection, the following items were noted:

- Deficient Best Management Practices (BMPs): Berms are bare and lack silt fencing; Basin 001 has a rock filter instead of a dam; Basin 003 spillway is armored with aluminum slag, rather than limestone; Basin 004 dam is being constructed of sandy soil, increasing the probability of failure. The culvert crossing, on the stream near the excluded wetland, lacks adequate rock armor to prevent erosion and sediment loss.
- Failure to Implement Plan: Installation of sediment basins for the three significantly disturbed drainage areas does not match the approved plan.
- Improper Operation and Maintenance: Basin 003 is completely filled with sand, and sediment is leaving the site via that spillway.
- Impact to State waters: Minor amounts of sediment have entered the excluded wetland area due to failure to maintain entrance haulroad silt fence BMPs.
- Reporting Deficiencies: Required metals sample results were not submitted.

Mr. Todd Claiborne, American Sand
September 23, 2013
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Allowing sediment to leave the permitted site is a violation of the *State of Tennessee Clean Water Act of 1977*, T.C.A. 69-3-101. In addition, failure to implement and maintain approved sediment and erosion controls, and failure to report sampling results are a violation of the NPDES Permit TN0066231.

Sediment negatively impacts water quality by blocking sunlight, increasing algae productivity, lowering dissolved oxygen and increases costs to the local water treatment plant. In addition, deposited sediment reduces the transport and storage capacity of roadside ditches, streams, rivers, lakes, reservoirs and navigation channels and may result in increased potential for localized flooding.

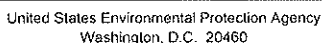
Please submit a written response to the Cookeville Environmental Field Office by October 15, 2013. This response should include a Corrective Action Plan describing the activities, methods, materials, and a time frame for the remediation of the above mentioned violations. We appreciate that your engineer has talked with the inspector, and has already made progress toward solutions; your cooperation in this matter is greatly appreciated. If there are questions, please contact Sharon Kington at (931) 432-7633. Thank you again for your promptness with regard to the renewal application.

Respectfully,



Johnny Walker
Environmental Program Manager
Division of Water Resources
Cookeville Environmental Field Office

Cc: K-EFO; CK-EFO; Darryl Hall, TARE, Inc.



Section A: National Data System Coding (i.e., PCS)

Section B: Facility Data		
Name and Location of Facility Inspected <i>(For industrial users discharging to POTW, also include POTW name and NPDES permit number)</i> American Sand Supply 50 Acre Tract 9130 Monterey Hwy Monterey, TN Putnam County	Entry Time/Date 10:00 26 AUG 2013	Permit Effective Date 14 OCT 2009
	Exit Time/Date 14:20 26 AUG 2013	Permit Expiration Date 22FEB 2014
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) Mr. Randy Roberson <div> Phone: 931.839.2241 Fax: </div>	Other Facility Data <i>(e.g., SIC NAICS, and other descriptive information)</i> Site has had permit since 1998 and so far has no basin installed as designed. DMRs indicate no discharge, but two basins seep continually; one is full of sand, and the	
Name, Address of Responsible Official/Title/Phone and Fax Number Mr. Todd T. Claiborne 9130 Monterey Hwy Monterey, TN <div> Contacted <input type="checkbox"/> Yes <input type="checkbox"/> No <div> Phone: <input type="checkbox"/> 931.839.2241 Fax: </div> </div>		

<input checked="" type="checkbox"/>	Permit	<input checked="" type="checkbox"/>	Self-Monitoring Program	<input type="checkbox"/>	Pretreatment	<input type="checkbox"/>	MS4
<input checked="" type="checkbox"/>	Records/Reports	<input type="checkbox"/>	Compliance Schedules	<input checked="" type="checkbox"/>	Pollution Prevention		
<input checked="" type="checkbox"/>	Facility Site Review	<input type="checkbox"/>	Laboratory	<input type="checkbox"/>	Storm Water		
<input type="checkbox"/>	Effluent/Receiving Waters	<input checked="" type="checkbox"/>	Operations & Maintenance	<input type="checkbox"/>	Combined Sewer Overflow		
<input type="checkbox"/>	Flow Measurement	<input type="checkbox"/>	Sludge Handling/Disposal	<input type="checkbox"/>	Sanitary Sewer Overflow		

(Attach additional sheets of narrative and checklists, including Single Event Violation codes, as necessary)

SEV Codes	SEV Description	*See Attached Letter		Rating Codes
			Action Outcomes	
B 0 0 1 9	BMP Deficiencies	*Permit & Records	Under review	unsatisfactory
		*Facility Site Review	Not immediately corrected	unsatisfactory
		*Effluent/Rec. Waters		
B 0 0 1 8	Failure to implement SWPPP	*Flow Measurement		
		*Self Monitoring	Immediately corrected	unsatisfactory
B 0 0 2 0	Improper operation and maintenance	*Laboratory		
		*Operations & Maintenance	Not immediately corrected	unsatisfactory
B 0 C 1 3	Improper/Incorrect Reporting	Pollution Prevention	Under review	unsatisfactory
		*		

EPA Form 3560-3 (Rev 4-06) Previous editions are obsolete.

38 ACRES



DEPARTMENT OF ENVIRONMENT AND CONSERVATION
Division of Water Pollution Control
Surface Mining Inspection Report

DSM-7A

Permit No. OM	Name of Operator Address:	AMERICAN SAND SUPPLY 50 ACRE TRACT 9130 MONTEREY HWY MONTEREY, TN 38574		County	POTNAM	Time 10:00 14:20
TN 0066231	Expiration Date	OM	NPDES	FEB 22, 2014	Phone	
Issuance Date	OM	NPDES	OCT 14, 2009	Lat.-Long.	N 36° 07' 57" W 85° 20' 48"	
Responsible Official	MR TODD T CLAIBORNE			Title	OWNER	

MINING	YES	NO	COMPLETE INSP. <input checked="" type="checkbox"/>	PARTIAL INSP. <input type="checkbox"/>	YES	NO	
1. Permit Signs			25. Effluent Within Permit Requirements	AS REPORTED			
2. Mining Plans on Site			26. Flow Within Permit Requirements		X		
3. Spoil Placement Within Limits			27. Facility as Described in Permit			X	
4. Stream and Drainage Limits Observed			28. All Discharge Points Permitted	disch to wetland *			
5. Outcrops Protected			29. All Discharge Points Located Accurately	See notes below			
6. Topsoil Segregated and Marked			30. Correct Name & Location of Receiving Waters		X		
7. Regrading Current			31. Receiving Waters Sampled			X	
8. All Highwalls Eliminated			32. Asphalt Plants on Site			X	
9. Approximate Original Contour			33. Asphalt Plants Permitted			X	
10. Topsoil Properly Spread			34. Concrete Plants on Site			X	
11. Revegetation Current			35. Concrete Plants Permitted			X	
12. Ag. Lime Rates Adequate			36. Treatment Required			X	
13. Seeding Rates Adequate			37. Site in Non-Compliance		X		
14. Fertilizer Rates Adequate			38. Non-Compliance Requested		X		
15. Mulch Rates Adequate			PARAMETER	MEASUREMENT	MINIMUM	AVERAGE	MAXIMUM
16. Terraces Adequate			Flow	Sample Permit	thick	ND	
17. Haulroad Drainage Controlled			Time	Sample Permit	1300		
N.P.D.E.S.—WATER CONTROL	X	X	Sampler	Sample Permit	Partially const	incomplete	totally full of sand
18. Sediment Basins as Planned		X	Date	Sample Permit	8/26	2013	under construction
19. Sediment Basins Discharging	No significant disch. today			Sample Permit			NOT CONSTRUCTED
20. All Drainage Controlled Through Basins or Best Management Practices		X		Sample Permit			
21. Diversion Ditches Adequate				Sample Permit			
22. Discharge Samples Taken		X		Sample Permit			
23. D.M.R.s Submitted as Required	X			Sample Permit			
24. D.M.R.s in Compliance	No disch. reported, sand has 3 discharged at 003				001	002	003 004 005

GENERAL COMMENTS: LIST ANY POTENTIAL PROBLEMS, ORDERS FOR CORRECTIVE ACTIONS, OR EXPLANATIONS

ACTIVE CONSTRUCTION ON NORTH SIDE OF SITE FOR BASIN 004. NO OTHER ACTIVITY. BASIN 003, TO BE 12' DEEP IS 0' DEEP TOTALLY FULL OF SAND W/ SAND LOSS DOWN SPILLWAY. * BASIN 003 SPILLWAY IS UNDERSIZED & LINED W/ ALUM. SLAG ("CLINKERS"). SOUTH SIDE BASIN 001 "DAMMED" ONLY W/ ROCK FILTER. BASIN 002 HAS BEEN CLEARED & HAS LOOSE SAND BERMS BUT NO TRUE CONSTRUCTION. BASIN 005 HAS NOT BEEN STARTED. SMALL WETLAND AREA DEVELOPING BETWEEN POT ROAD TO 005 AREA AND CHANNEL AS ROAD APPROACHES BOTTOM. SOME SEDIMENT LOSS TO WETLAND AREA THAT WAS EXCLUDED & MAPPED VIA LACK OF BMP MAINTENANCE. * FIVE OR SIX OF THE TREES PLANTED IN THAT WETLAND ARE THRIVING. AREA SOUTH OF CHANNEL AND BANK HAS LOOSE UNSTABLE BARE SAND BERMS. * ABAP CULVERT ON DOWNSTREAM END HAS INSUFFICIENT ARMOR & SEDIMENT LOSS FROM BARE AREA TO STREAM. NORTH SIDE BARE BERMS TO INSPECTION TODAY DUE TO RENEWAL APPLICATION. BASINS ACQUIRE WORK. OF 375

Operator's Signature	Date	Inspector's Signature	Date
Randy Kessler	8/26/13	Sharon Knight	8-26-13

* PERMIT VIOLATIONS

TN0066231 American Sand Supply- 50 acre site
Putnam County

TDEC DWR Photo Log
Permit Renewal Inspection, 08-26-13
By Sharon Kington, ES3

1. DMP 001 "Basin" has no dam,
only a rock filter berm across the opening.
Note water trickle, but site reports no discharge.



2. Basin 002 area has been surrounded by loose berms rather than excavated, due to shallow bedrock. Also drainage path is altered from plan, with much of drainage diverted to incomplete Basin 001.



3. The berms surrounding the DMP 002 area are eroding toward the stream channel, but so far are caught by vegetation.



4. Downhill flow path from overfull basin 003 to DMP 003 spillway. Basin 003 is to designed as seven feet deep.



5. Basin 003 is totally filled and overflowing with sand; photo taken near spillway looking back (east) toward back of basin.



6. DMP 003 spillway shows lack of retention and sand loss.



7. 003 Spillway has aluminum slag "clinkers" still in place; Also note sand deposition as it leaves site.



8. Sand has moved past spillway at DMP003.



9. Bare unstabilized berm north side of Rocky Pt Rd, along access road near Basin 003 area. Most of the site is disturbed, though no basin has been completed as shown in plan.



10. Sediment loss to the excluded wetland has resulted from recent failure to maintain BMPs below south side entrance road.



11. A few of the trees planted in the logging corrective action have thrived. Note that logging debris is now being surrounded by wetland vegetation wetland/



12. Arrowhead is becoming established above culvert and outside area originally designated as wetland.



13. Culvert ARAP is deficient and has an eroding channel wall, and rip rap loss to stream. (Photo faces d/s.)



14. Photo taken of ARAP culvert facing eroding channel wall.



15. Drainage path for DMP 004 through forested area. Basin 4 is under construction.



16. Material being used for dam at Basin 004 has a high sand content and needs engineering evaluation.



17. Area of Basin 005 is still undisturbed by mining activity.



18. Wetland area is developing between access road to DMP 005 area and stream channel. Road erosion has resulted in sediment deposition in this area.

